ABSTRACT OF THE DISCLOSURE

A process for producing a fluoroalkanol of high purity containing little evaporation residue, which can be industrially easily carried out with high selectivity, is provided. In the process, a radial initiator and $CF_2=CFR^3$ (formula 3) are continuously added to CHR^1R^2-OH (Formula 2) to react them to form $H-(CFR^3CF_2)_n-CR^1R^2-OH$ (formula 1). In the formulae, n is an integer of from 1 to 4, each of R^1 and R^2 is a hydrogen atom or a C_{1-3} alkyl group, and R^3 is a fluorine atom or a C_{1-4} perfluoroalkyl group.